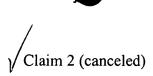Please cancel Claims 2, 9, 16, and 23, without prejudice or disclaimer of subject matter.

Please amend Claims 1, 4-8, 10-16, 18-22, and 25-31, and add new Claims 32-50, as indicated below. The following is a complete listing of claims and replaces all prior versions and listings of claims in the present application:

Claim 1 (currently amended): A method of finding, in response to entry by a user of a resource identity signifier, a single, intended target resource intended by the user to uniquely correspond to the resource identity signifier, among a plurality of resources ~~located~~ available on a network comprising a plurality of interconnected computers, the method for use on a finder server having access to: (a) a database storing database information including (i) an index of the available resources ~~available on the network~~; and (ii) ~~information regarding user~~ multi-user feedback gathered from a plurality of users in previous executions of the method ~~by the user and plural previous users~~; and (b) a learning system structured to access and learn from the database information ~~contained in the database~~, the method comprising the steps of:

receiving a resource identity signifier from the user; and

accessing the database to determine, based on the database information ~~in the database~~ including the multi-user feedback, which, if any, of the indexed resources is likely to be the intended target resource.

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Claim 2 (canceled)

Claim 3 (original): A method according to Claim 1, wherein a resource is determined, at the accessing step, as likely to be the intended target resource if the database information indicates that a confidence level associated with that resource is of at least a predetermined level.

Claim 4 (currently amended): A method according to Claim 3, wherein, if none of the indexed resources [[have]] has an associated confidence level of at least the predetermined level, the method further comprises the following step of:

presenting the user with a list of one or more links to possible resources, the list being ordered on the basis of according to confidence level, the resources with a resource having [[the]] a highest confidence levels level being ranked highest.

Claim 5 (currently amended): A method according to Claim 3, wherein the method further comprises the following steps of:

in a first user interface element:

causing the user's a computer of the user to connect to [[the]] a URL of [[the]] an indexed resource having [[the]] a highest confidence level; and

in a second user interface element:

presenting the user with a list of one or more links to possible

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resources, the list being ordered ~~on the basis of~~ according to confidence level, ~~the resources~~ with a resource having [[the]] a highest confidence level being ranked highest.

Claim 6 (currently amended): A method according to Claim 4, further comprising~~, if a link has been selected, the following~~ the steps of:

selecting a link from the list of one or more links;

adding information regarding the selection of the link to the feedback information stored in the database;

soliciting user feedback with regard to the selected link; and,

if the user indicates that the selected link is the ~~resource~~ intended [[by]] target resource of the resource identity signifier, updating the database information so as to increase the confidence level associated with [[the]] a mapping between the resource identity signifier and [[the]] an address of the selected link, and, if the user indicates that the selected link is not the ~~resource~~ intended [[by]] target resource of the resource identity signifier, updating the database information so as to decrease the confidence level associated with the mapping between the resource identity signifier and the address of the selected link.

Claim 7 (currently amended): A method according to Claim [[2]] 43, further comprising the steps of:

soliciting user feedback with regard to the determined intended target resource to which the user's computer was ~~directed~~ connected in the directing step; and,

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if the user indicates that the <u>determined intended target</u> resource to which ~~his or~~ ~~her~~ <u>the user's</u> computer was ~~directed~~ <u>connected</u> is the ~~resource~~ intended [[by]] <u>target resource of</u> the resource identity signifier, updating the database information so as to increase [[the]] <u>a</u> confidence level associated with [[the]] <u>a</u> mapping between the resource identity signifier and [[the]] <u>an</u> address of the <u>determined intended target</u> resource to which the user's computer was ~~directed~~ <u>connected</u>, and, if the user indicates that the resource to which ~~his or her~~ <u>the user's</u> computer was ~~directed~~ <u>connected</u> is not the ~~resource~~ intended [[by]] <u>target resource of</u> the resource identity signifier, updating the database information so as to decrease the confidence level associated with the mapping between the resource identity signifier and the address of the <u>determined intended target</u> resource to which ~~his or her~~ <u>the user's</u> computer was ~~directed~~ <u>connected</u>.

Claim 8 (currently amended): An apparatus comprising a finder server having access to:

(a) a database <u>storing database information</u> including:

(i) an index of <u>a plurality of</u> resources available on a network of interconnected computers on which a plurality of resources reside; and

(ii) ~~information regarding user~~ <u>multi-user</u> feedback gathered <u>from a plurality of users</u> in previous operations of the apparatus ~~by a user and plural previous users~~; and

(b) a learning system operable to access and learn from <u>the database information</u> ~~contained in the database~~;

wherein the finder server [[being]] is operable to locate, in response to entry by the user of a resource identity signifier, a single, intended target resource intended by the user to uniquely correspond to the resource identity signifier, [[from]] among ~~a plurality of~~ the available resources ~~available on the network~~, by:

receiving a resource identity signifier from the user; and

accessing the database to determine, based on the database information ~~in the database~~ including the multi-user feedback, which, if any, of the indexed resources is likely to be the intended target resource.

Claim 9 (canceled)

Claim 10 (currently amended): An apparatus according to Claim 8, wherein a resource is determined, ~~in the accessing,~~ to be the intended target resource if the database information indicates that a confidence level associated with that resource is of at least a predetermined level.

Claim 11 (currently amended): An apparatus according to Claim 10, wherein the apparatus is operable to, if none of the indexed resources [[have]] has an associated confidence level of at least the predetermined level, ~~perform the following step:~~ present the user with a list of one or more links to possible resources, the list being ordered ~~on the basis of~~ according to confidence level, ~~the resources~~ with a resource having [[the]] a highest confidence

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level being ranked highest.

Claim 12 (currently amended): An apparatus according to Claim 10, wherein the apparatus is further operable to:

in a first user interface element:

cause ~~the user's~~ a computer of the user to connect to [[the]] a URL of [[the]] an indexed resource having [[the]] a highest confidence level; and

in a second user interface element:

present the user with a list of one or more links to possible resources, the list being ordered ~~on the basis of~~ according to confidence level, ~~the resources~~ with a resource having [[the]] a highest confidence level being ranked highest.

Claim 13 (currently amended): An apparatus according to Claim 11, wherein the apparatus is operable to, ~~if a link has been selected, perform the following steps~~:

select a link from the list of one or more links;

add information regarding the selection of the link to the feedback information stored in the database;

solicit user feedback with regard to the selected link; and,

if the user indicates that the selected link is the ~~resource~~ intended [[by]] target resource of the resource identity signifier, updating the database information so as to increase the confidence level associated with [[the]] a mapping between the resource identity signifier and

[[the]] an address of the selected link, and, if the user indicates that the selected link is not the resource intended [[by]] target resource of the resource identity signifier, updating the database information so as to decrease the confidence level associated with the mapping between the resource identity signifier and the address of the selected link.

Claim 14 (currently amended): An apparatus according to Claim [[9]] 45, wherein the apparatus [[being]] is further operable to:

solicit user feedback with regard to the resource determined intended target resource to which the user's computer was directed in the directing step connected; and,

if the user indicates that the resource determined intended target resource to which his or her the user's computer was directed connected is the resource intended [[by]] target resource of the resource identity signifier, updating the database information so as to increase [[the]] a confidence level associated with [[the]] a mapping between the resource identity signifier and [[the]] an address of the determined intended target resource to which the user's computer was directed connected, and, if the user indicates that the determined intended target resource to which his or her the user's computer was directed connected is not the resource intended [[by]] target resource of the resource identity signifier, updating the database information so as to decrease the confidence level associated with the mapping between the resource identity signifier and the address of the determined intended target resource to which his or her the user's computer was directed connected.

Claim 15 (currently amended): A system for finding, in response to entry by a user of a resource identity signifier, a single, intended target resource intended by the user to uniquely correspond to the resource identity signifier, among a plurality of resources ~~located~~ available on a network comprising a plurality of interconnected computers, the system comprising:

finder server means having access to: (a) database means for storing database information including an index of the available resources ~~available on the network~~; and ~~information regarding user~~ multi-user feedback gathered from a plurality of users in previous executions of the system ~~by the user and plural previous users~~; and (b) learning system means for accessing and learning from the database information ~~contained on the database~~;

receiving means for receiving a resource identity signifier from the user; and

accessing means for accessing the database means to determine, based on the database information including the multi-user feedback, which, if any, of the indexed resources is likely to be the ~~desired~~ intended target resource.

Claim 16 (canceled)

Claim 17 (original): A system according to Claim 15, wherein a resource is determined, by the access means, as likely to be the intended target resource if the database information indicates that a confidence level associated with that resource is of at least a predetermined level.

Claim 18 (currently amended): A system according to Claim 17, further comprising:

presenting means for, if none of the indexed resources [[have]] has an associated confidence level of at least the predetermined level, presenting the user with a list of one or more links to possible resources, the list being ordered ~~on the basis of~~ according to confidence level, ~~the resources~~ with a resource having [[the]] a highest confidence ~~levels~~ level being ranked highest.

Claim 19 (currently amended): A system according to Claim 17, further comprising:

means for, in a first user interface element, causing ~~the user's~~ a computer of the user to connect to [[the]] a URL of [[the]] an indexed resource having [[the]] a highest confidence level; and

means for, in a second user interface element, presenting the user with a list of one or more links to possible resources, the list being ordered ~~on the basis of~~ according to confidence level, ~~the resources~~ with a resource having [[the]] a highest confidence level being ranked highest

Claim 20 (currently amended): A system according to Claim 18, further comprising:

selection means for selecting a link from the list of one or more links;

adding means for, ~~if a link has been selected,~~ adding information regarding the

selection of the link to the feedback information <u>stored</u> in the database;

soliciting means for soliciting user feedback with regard to the selected link;

and

means for, if the user indicates that the <u>selected</u> link is the ~~resource~~ intended

[[by]] <u>target resource of</u> the resource identity signifier, updating the database information so as to

increase the confidence level associated with [[the]] <u>a</u> mapping between the resource identity

signifier and [[the]] <u>an</u> address of the selected link, and, if the user indicates that the <u>selected</u> link

is not the ~~resource~~ intended [[by]] <u>target resource of</u> the resource identity signifier, updating the

database information so as to decrease the confidence level associated with the mapping between

the resource identity signifier and the address of the selected link.

Claim 21 (currently amended): A system according to Claim [[16]] <u>47</u>, further

comprising:

soliciting means for soliciting user feedback with regard to the <u>determined</u>

<u>intended target</u> resource to which the user's computer was ~~directed in~~ <u>connected by</u> the ~~directing~~

~~step~~ <u>control means</u>; and

means for, if the user indicates that the <u>determined intended target</u> resource to

which ~~his or her~~ <u>the user's</u> computer was ~~directed~~ <u>connected</u> is the ~~resource~~ intended [[by]] <u>target</u>

<u>resource of</u> the resource identity signifier, updating the database information so as to increase

[[the]] <u>a</u> confidence level associated with [[the]] <u>a</u> mapping between the resource identity

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signifier and [[the]] an address of the determined intended target resource to which the user's

computer was ~~directed~~ connected, and, if the user indicates that the determined intended target

resource to which ~~his or her~~ the user's computer was ~~directed~~ connected is not the ~~resource~~

intended [[by]] target resource of the resource identity signifier, updating the database

information so as to decrease the confidence level associated with the mapping between the

resource identity signifier and the address of the determined intended target resource to which ~~his~~

~~or her~~ the user's computer was ~~directed~~ connected.

Claim 22 (currently amended): A computer-readable storage medium storing

code for causing a processor-controlled finder server ~~having,~~ which has access to: (a) a database

storing database information including (i) an index of a plurality of resources available on [[the]]

a network of interconnected computers on which a plurality of resources reside; and (ii)

~~information regarding user~~ multi-user feedback gathered from a plurality of users in previous

~~executions~~ operations of the finder server ~~by a user and plural previous users~~; and (b) a learning

system structured to access and learn from the database information ~~contained on the database~~, to

perform a method of finding, in response to entry by the user of a resource identity signifier, a

single, intended target resource intended by the user to uniquely correspond to the resource

identity signifier, among ~~a plurality of~~ the available resources ~~located on a network comprising a~~

~~plurality of interconnected computers~~, the method comprising the steps of:

receiving a resource identity signifier from the user; and

accessing the database to determine, based on the database information ~~in the~~

database including the multi-user feedback, which, if any, of the indexed resources is likely to be the intended target resource.

/Claim 23 (canceled)

Claim 24 (original): A computer-readable medium according to Claim 22, wherein a resource is determined, in the accessing step, as likely to be the intended target resource if the database information indicates that a confidence level associated with that resource is of at least a predetermined level.

Claim 25 (currently amended): A computer-readable medium according to Claim 24, wherein, if none of the indexed resources [[have]] has an associated confidence level of at least the predetermined level, the method further comprises the following step of:

presenting the user with a list of one or more links to possible resources, the list being ordered on the basis of according to confidence level, the resources with a resource having [[the]] a highest confidence levels level being ranked highest.

Claim 26 (currently amended): A computer-readable medium according to Claim 24, wherein the method further comprises the following steps of:

in a first user interface element:

causing the user's a computer of the user to connect to [[the]] a URL of

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[[the]] an indexed resource having [[the]] a highest confidence level; and

in a second user interface element:

presenting the user with a list of one or more links to possible

resources, the list being ordered on the basis of according to confidence level, the resources with

a resource having [[the]] a highest confidence level being ranked highest.

Claim 27 (currently amended): A computer-readable medium according to

Claim 25, further comprising, if a link has been selected, the following wherein the method

further comprises the steps of:

selecting a link from the list of one or more links;

adding information regarding the selection of the link to the feedback

information stored in the database;

soliciting user feedback with regard to the selected link; and,

if the user indicates that the selected link is the resource intended [[by]] target

resource of the resource identity signifier, updating the database information so as to increase the

confidence level associated with [[the]] a mapping between the resource identity signifier and

[[the]] an address of the selected link, and, if the user indicates that the selected link is not the

resource intended [[by]] target resource of the resource identity signifier, updating the database

information so as to decrease the confidence level associated with the mapping between the

resource identity signifier and the address of the selected link.

Claim 28 (currently amended): A computer-readable medium according to Claim [[23]] 49, wherein the method further ~~comprising~~ comprises the steps of:

soliciting user feedback with regard to the determined intended target resource to which the user's computer was ~~directed in the directing step~~ connected; and,

if the user indicates that the determined intended target resource to which ~~his or her~~ the user's computer was ~~directed~~ connected is the ~~resource~~ intended [[by]] target resource of the resource identity signifier, updating the database information so as to increase [[the]] a confidence level associated with [[the]] a mapping between the resource identity signifier and [[the]] an address of the determined intended target resource to which the user's computer was ~~directed~~ connected, and, if the user indicates that the determined intended target resource to which ~~his or her~~ the user's computer was ~~directed~~ connected is not the ~~resource~~ intended [[by]] target resource of the resource identity signifier, updating the database information so as to decrease the confidence level associated with the mapping between the resource identity signifier and the address of the determined intended target resource to which ~~his or her~~ the user's computer was ~~directed~~ connected.

Claim 29 (currently amended): A system for finding resources on a network of interconnected computers on which a plurality of resources reside, the system comprising:

a client terminal operated by a user, the client terminal allowing the user to connect to resources located on the network; and

a finder server having access to:

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(a) a database <u>storing database information</u> including: (i) an index of <u>a plurality of</u> resources available on the network; and (ii) ~~information regarding user~~ <u>multi-user</u> feedback gathered <u>from a plurality of users</u> in previous operations of the system ~~by the user and plural previous users~~; and

(b) a learning system operable to access and learn from <u>the database</u> information ~~contained in the database~~,

wherein the finder server [[being]] <u>is</u> operable to locate, in response to entry by the user of a resource identity signifier, a single, intended target resource intended by the user to uniquely correspond to the resource identity signifier, [[from]] among ~~a plurality of resources located on the network, by~~ <u>the available resources</u>:

receiving a resource identity signifier from the user;

accessing the database to determine, based on the <u>database</u> information ~~in the database~~ <u>including the multi-user feedback</u>, which, if any, of the indexed resources is likely to be the intended target resource; and

directing a computer of the user so as to cause that computer to connect the user to [[the]] <u>an</u> address of [[the]] <u>a</u> resource, if any, determined as likely to be the intended target resource.

Claim 30 (currently amended): A method of identifying, in response to entry by a user of an object identity signifier, a single, intended object to be acted upon, <u>wherein</u> the single, intended object [[being]] <u>to be acted upon is</u> intended by the user to uniquely correspond

to the object identity signifier, among a plurality of possible objects, <u>wherein</u> the method ~~for use~~

~~on~~ <u>utilizes</u> a computer having access to: (a) a database <u>storing database information</u> including (i)

an index of <u>the</u> possible objects; and (ii) ~~information regarding user~~ <u>multi-user</u> feedback gathered

<u>from a plurality of users</u> in previous executions of the method ~~by the user and plural previous~~

~~users~~; and (b) a learning system structured to access and learn from <u>the database</u> information

~~contained in the database~~, <u>and wherein</u> the method ~~comprising~~ <u>comprises the steps of</u>:

      receiving an object identity signifier from the user; and

      accessing the database to determine, based upon the <u>database</u> information ~~in~~

~~the database~~ <u>including the multi-user feedback</u>, which, if any, of the indexed objects is likely to

be the ~~object~~ intended <u>object</u> to be acted upon.

      Claim 31 (currently amended): An apparatus for identifying, in response to

entry by a user of an object identity signifier, a single<u>,</u> intended object to be acted upon, <u>wherein</u>

the single<u>,</u> intended object [[being]] <u>to be acted upon is</u> intended by the user to uniquely

correspond to the object identity signifier, among a plurality of possible objects, the apparatus

comprising:

      a computer having access to:

      (a) a database <u>storing database information</u> including (i) an index of <u>the</u>

possible objects; and (ii) ~~information regarding user~~ <u>multi-user</u> feedback gathered <u>from a</u>

<u>plurality of users</u> in previous ~~executions~~ <u>operations</u> of the ~~method by the user and plural previous~~

~~users~~ <u>apparatus</u>; and

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(b) a learning system structured to access and learn from the database information ~~contained in the database~~,

wherein the apparatus [[being]] is operable to:

receive an object identity signifier from the user; and

access the database to determine, based upon the database information ~~in the database~~ including the multi-user feedback, which, if any, of the indexed objects is likely to be the ~~object~~ intended object to be acted upon.

Claim 32 (new): A method of finding a single, intended target resource among a plurality of resources available on a network, the method comprising the steps of:

obtaining a user-provided resource identity signifier; and

utilizing feedback information stored in a database to determine a resource likely to be the single, intended target resource.

Claim 33 (new): A method according to Claim 32, wherein the feedback information is gathered from a plurality of previous users of the method.

Claim 34 (new): A method according to Claim 32, further comprising the step of obtaining feedback from the user regarding the resource determined in the utilizing step.

Claim 35 (new): A method according to Claim 34, wherein the feedback

information stored in the database is updated with the feedback obtained from the user.

Claim 36 (new): An apparatus for finding a single, intended target resource among a plurality of resources available on a network, the apparatus comprising:

input means for enabling a user to enter a resource identity signifier; and

determination means for using feedback information stored in a database to determine a resource likely to be the single, intended target resource.

Claim 37 (new): An apparatus according to Claim 36, wherein the feedback information is gathered from a plurality of previous users of the method.

Claim 38 (new): An apparatus according to Claim 36, further comprising update means for updating the feedback information stored in the database with feedback obtained from the user regarding the resource determined by the determination means.

Claim 39 (new): A computer-readable storage medium storing a program for implementing a method of finding a single, intended target resource among a plurality of resources available on a network, the method comprising the steps of:

prompting a user to enter a resource identity signifier; and

utilizing feedback information stored in a database to determine a resource likely to be the single, intended target resource.

Claim 40 (new): A computer-readable medium according to Claim 39, wherein the feedback information is gathered from a plurality of previous users of the method.

Claim 41(new): A computer-readable medium according to Claim 39, wherein the method further comprises the step of obtaining feedback from the user regarding the resource determined in the utilizing step.

Claim 42 (new): A computer-readable medium according to Claim 41, wherein the feedback information stored in the database is updated with the feedback obtained from the user.

Claim 43 (new): A method according to Claim 1, further comprising the step of causing a computer of the user to connect to the determined intended target resource, if any.

Claim 44 (new): A method according to Claim 1, further comprising the step of causing a computer of the user to display the determined intended target resource, if any.

Claim 45 (new): An apparatus according to Claim 8, wherein the finder server is further operable to cause a computer of the user to connect to the determined intended target resource, if any.

Claim 46 (new): An apparatus according to Claim 8, wherein the finder server is further operable to cause a computer of the user to display the determined intended target resource, if any.

Claim 47 (new): A system according to Claim 15, further comprising control means for causing a computer of the user to connect to the determined intended target resource, if any.

Claim 48 (new): A system according to Claim 15, further comprising control means for causing a computer of the user to display the determined intended target resource, if any.

Claim 49 (new): A computer-readable medium according to Claim 22, wherein the method further comprises the step of causing a computer of the user to connect to the determined intended target resource, if any.

Claim 50 (new): A computer-readable medium according to Claim 22, wherein the method further comprises the step of causing a computer of the user to display the determined intended target resource, if any.